

D HIS FULL

(FILE 'HOME' ENTERED AT 16:29:09 ON 09 JAN 2006)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 16:29:36 ON 09 JAN 2006

- L1 312 SEA ABB=ON PLU=ON ("PYROPHOSPHORIC ACID" OR PYROPHOSPHATE OR
"PHOSPHORIC ACID") (P) GLYCERALDEHYDE?
- L2 83 SEA ABB=ON PLU=ON ("PYROPHOSPHORIC ACID" OR PYROPHOSPHATE OR
"PHOSPHORIC ACID") (P) (GLYCERALDEHYDE 3? OR GLYCERALDEHYDE-3?
OR GLYCERALDEHYDE3?)
- L3 83 SEA ABB=ON PLU=ON ("PYROPHOSPHORIC ACID" OR PYROPHOSPHATE OR
"PHOSPHORIC ACID") (P) (GLYCERALDEHYDE 3? OR GLYCERALDEHYDE-3?)
- L4 186 SEA ABB=ON PLU=ON ("PYROPHOSPHORIC ACID" OR PYROPHOSPHATE OR
"PHOSPHORIC ACID") (P) ("GLYCERALDEHYDE 3-PHOSPHATE" OR
GLYCERALDEHYDE-3-PHOSPHATE OR "GLYCERALDEHYDE 3 PHOSPHATE")
- L5 2 SEA ABB=ON PLU=ON ("PYROPHOSPHORIC ACID" OR PYROPHOSPHATE OR
"PHOSPHORIC ACID") (P) ("GLYCERALDEHYDE 3-PHOSPHATE" OR
GLYCERALDEHYDE-3-PHOSPHATE OR "GLYCERALDEHYDE 3 PHOSPHATE")
AND DIAPHORASE
D L5 1-2 IBIB ABS

FILE 'STNGUIDE' ENTERED AT 16:41:32 ON 09 JAN 2006

- L6 0 SEA ABB=ON PLU=ON ("PYROPHOSPHORIC ACID" OR PYROPHOSPHATE OR
"PHOSPHORIC ACID") (P) ("GLYCERALDEHYDE 3-PHOSPHATE" OR
GLYCERALDEHYDE-3-PHOSPHATE OR "GLYCERALDEHYDE 3 PHOSPHATE")
(P) (3-PHOSPHATEDEHYDROGENASE OR 3 PHOSPHATEDEHYDROGENASE)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 16:55:49 ON 09 JAN 2006

- L7 0 SEA ABB=ON PLU=ON ("PYROPHOSPHORIC ACID" OR PYROPHOSPHATE OR
"PHOSPHORIC ACID") (P) ("GLYCERALDEHYDE 3-PHOSPHATE" OR
GLYCERALDEHYDE-3-PHOSPHATE OR "GLYCERALDEHYDE 3 PHOSPHATE")
(P) (3-PHOSPHATEDEHYDROGENASE OR 3 PHOSPHATEDEHYDROGENASE)
- L8 0 SEA ABB=ON PLU=ON ("PYROPHOSPHORIC ACID" OR PYROPHOSPHATE OR
"PHOSPHORIC ACID") (P) ("GLYCERALDEHYDE 3-PHOSPHATE" OR
GLYCERALDEHYDE-3-PHOSPHATE OR "GLYCERALDEHYDE 3 PHOSPHATE")
(P) (PHOSPHATEDEHYDROGENASE)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 17:27:04 ON 09 JAN 2006

- L9 2 SEA ABB=ON PLU=ON PYROPHOSPHATASE (S) ELECTRODE
D L9 1-2 IBIB ABS

FILE 'STNGUIDE' ENTERED AT 17:28:35 ON 09 JAN 2006

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 17:30:38 ON 09 JAN 2006

- L10 118 SEA ABB=ON PLU=ON PYROPHOSPHATASE (S) (POTENTIAL OR CURRENT
OR VOLTAGE)
- L11 41 SEA ABB=ON PLU=ON PYROPHOSPHATASE (S) (POTENTIAL OR CURRENT
OR VOLTAGE) (S) MEMBRANE
- L12 22 DUP REM L11 (19 DUPLICATES REMOVED)
D L12 1-10
D L12 11-22

FILE 'STNGUIDE' ENTERED AT 17:33:24 ON 09 JAN 2006

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 17:39:32 ON 09 JAN 2006

- L13 1265 SEA ABB=ON PLU=ON PYROPHOSPHATASE (S) (PH OR H)
- L14 1265 SEA ABB=ON PLU=ON PYROPHOSPHATASE (S) (PH OR "H+")
- L15 5247 SEA ABB=ON PLU=ON (PYROPHOSPHATE OR "PYROPHOSPHORIC ACID")
(S) (LEVEL OR AMOUNT OR CONCENTRATION)
- L16 97 SEA ABB=ON PLU=ON (PYROPHOSPHATE OR "PYROPHOSPHORIC ACID")
(S) (LEVEL OR AMOUNT OR CONCENTRATION) (S) (DETERMINE OR
MEASURE)
- L17 55 DUP REM L16 (42 DUPLICATES REMOVED)

D L17 1-10 IBIB ABS
D L17 11-20 IBIB ABS

FILE 'STNGUIDE' ENTERED AT 17:49:12 ON 09 JAN 2006

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 17:51:59 ON 09 JAN 2006

D L17 21-30 IBIB ABS
D L17 31-40 IBIB ABS
D L17 41-55 IBIB ABS

FILE HOME

FILE MEDLINE

FILE LAST UPDATED: 7 JAN 2006 (20060107/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 will soon be available. For details on the 2005 reload, enter HELP RLOAD at an arrow prompt (=>).
See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate

FILE CAPLUS

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FILE COVERS 1907 - 9 Jan 2006 VOL 144 ISS 3
FILE LAST UPDATED: 8 Jan 2006 (20060108/ED)

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<http://www.cas.org/infopolicy.html>

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 4 January 2006 (20060104/ED)

FILE STNGUIDE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jan 6, 2006 (20060106/UP).

=>

=> S ((pyrophosphate OR "pyrophosphoric acid") (S) (analyz4 OR detect4 OR assay3 OR
quantitat4 OR determin5 OR measur5)) (P) (electrode3 OR membrane3)
L1 0 ((PYROPHOSPHATE OR "PYROPHOSPHORIC ACID") (S) (ANALYZ4 OR DETECT
4 OR ASSAY3 OR QUANTITAT4 OR DETERMIN5 OR MEASUR5)) (P) (ELECTRO
DE3 OR MEMBRANE3)

=> S ((pyrophosphate OR "pyrophosphoric acid") (S) (analyz? OR detect? OR assay? OR
quantitat? OR determin? OR measur?)) (P) (electrode? OR membrane?)
L2 378 ((PYROPHOSPHATE OR "PYROPHOSPHORIC ACID") (S) (ANALYZ? OR DETECT
? OR ASSAY? OR QUANTITAT? OR DETERMIN? OR MEASUR?)) (P) (ELECTRO
DE? OR MEMBRANE?)

=> S ((pyrophosphate OR "pyrophosphoric acid") (S) (analyz? OR detect? OR assay? OR
quantitat? OR determin? OR measur?)) (S) (electrode? OR membrane?)
L3 148 ((PYROPHOSPHATE OR "PYROPHOSPHORIC ACID") (S) (ANALYZ? OR DETECT
? OR ASSAY? OR QUANTITAT? OR DETERMIN? OR MEASUR?)) (S) (ELECTRO
DE? OR MEMBRANE?)

=> DUP REM L3
PROCESSING COMPLETED FOR L3
L4 122 DUP REM L3 (26 DUPLICATES REMOVED)

=> S L4 AND PY<2003
L5 112 L4 AND PY<2003

=> D L5 1-10

L5 ANSWER 1 OF 112 MEDLINE on STN
AN 2002165895 MEDLINE
DN PubMed ID: 11897126
TI A proton pumping pyrophosphatase in the Golgi apparatus and plasma
membrane vesicles of Trypanosoma cruzi.
AU Martinez Rosa; Wang Youhong; Benaim Gustavo; Benchimol Marlene; de Souza
Wanderley; Scott David A; Docampo Roberto
CS Laboratory of Molecular Parasitology, Department of Pathobiology,
University of Illinois at Urbana-Champaign, 2001 South Lincoln Avenue,
Urbana, IL 61802, USA.
NC AI 232159 (NIAID)
SO Molecular and biochemical parasitology, (2002 Apr 9) 120 (2)
205-13.
Journal code: 8006324. ISSN: 0166-6851.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200206
ED Entered STN: 20020319
Last Updated on STN: 20020615
Entered Medline: 20020614

L5 ANSWER 2 OF 112 MEDLINE on STN
AN 1999266126 MEDLINE
DN PubMed ID: 10333584
TI Localization of pyrophosphatase in membranes of cauliflower inflorescence
cells.
AU Ratajczak R; Hinz G; Robinson D G
CS Institut fur Botanik, Technische Universitat Darmstadt, Germany.
SO Planta, (1999 Apr) 208 (2) 205-11.
Journal code: 1250576. ISSN: 0032-0935.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

EM 199908
 ED Entered STN: 19990816
 Last Updated on STN: 19990816
 Entered Medline: 19990805

L5 ANSWER 3 OF 112 MEDLINE on STN
 AN 1999221779 MEDLINE
 DN PubMed ID: 10203512
 TI Membrane filtration test for rapid presumptive differentiation of four *Candida* species.
 AU Bauters T G; Peleman R; Moerman M; Vermeersch H; de Looze D; Noens L; Nelis H J
 CS Laboratory of Pharmaceutical Microbiology, Department of Pharmaceutical Analysis, University of Ghent, University Hospital of Ghent, B-9000 Ghent, Belgium.
 SO Journal of clinical microbiology, (1999 May) 37 (5) 1498-502.
 Journal code: 7505564. ISSN: 0095-1137.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199905
 ED Entered STN: 19990525
 Last Updated on STN: 19990525
 Entered Medline: 19990507

L5 ANSWER 4 OF 112 MEDLINE on STN
 AN 93349041 MEDLINE
 DN PubMed ID: 8394052
 TI Inorganic pyrophosphate gives a **membrane** potential in yeast mitochondria, as measured with the permeant **cation** tetraphenylphosphonium.
 AU Pereira-da-Silva L; Sherman M; Lundin M; Baltscheffsky H
 CS Department of Biochemistry, Arrhenius Laboratory, University of Stockholm, Sweden.
 SO Archives of biochemistry and biophysics, (1993 Aug 1) 304 (2) 310-3.
 Journal code: 0372430. ISSN: 0003-9861.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199309
 ED Entered STN: 19930924
 Last Updated on STN: 19930924
 Entered Medline: 19930903

L5 ANSWER 5 OF 112 MEDLINE on STN
 AN 93107680 MEDLINE
 DN PubMed ID: 1334992
 TI Role of altered G-protein expression in the regulation of myocardial adenylate cyclase activity and force of **contraction** in spontaneous hypertensive **cardiomyopathy** in rats.
 AU Bohm M; Gierschik P; Knorr A; Larisch K; Weismann K; Erdmann E
 CS Medizinische Klinik I, Universitat Munchen, Germany.
 SO Journal of hypertension, (1992 Oct) 10 (10) 1115-28.
 Journal code: 8306882. ISSN: 0263-6352.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199301
 ED Entered STN: 19930212

Last Updated on STN: 20021218
Entered Medline: 19930126

L5 ANSWER 6 OF 112 MEDLINE on STN
AN 92027747 MEDLINE
DN PubMed ID: 1656876
TI Specific lipids enhance the activity of UDP-GlcNAc: **dolichol phosphate GlcNAc**-1-phosphate transferase in rat liver endoplasmic reticulum membrane vesicles.
AU Chandra N C; Doody M B; Bretthauer R K
CS Department of Chemistry and Biochemistry, University of Notre Dame, Indiana 46556.
NC HL33875 (NHLBI)
SO Archives of biochemistry and biophysics, (1991 Nov 1) 290 (2) 345-54.
Journal code: 0372430. ISSN: 0003-9861.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199111
ED Entered STN: 19920124
Last Updated on STN: 20000303
Entered Medline: 19911120

L5 ANSWER 7 OF 112 MEDLINE on STN
AN 90225808 MEDLINE
DN PubMed ID: 2139317
TI Characterization of **tonoplast-enriched vesicles** isolated by gradient density fractionation of suspension-cultured cells.
AU Dupaix A; Guyen L; Hill M; Arrio B
CS U.R.A. 1116 du C.N.R.S., Universite de Paris-Sud, Centre d'Orsay, France.
SO Archives of biochemistry and biophysics, (1990 May 1) 278 (2) 392-7.
Journal code: 0372430. ISSN: 0003-9861.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199005
ED Entered STN: 19900622
Last Updated on STN: 19970203
Entered Medline: 19900518

L5 ANSWER 8 OF 112 MEDLINE on STN
AN 90046704 MEDLINE
DN PubMed ID: 2554294
TI Stimulation of beta-adrenergic receptors of S49 lymphoma cells redistributes the alpha subunit of the stimulatory G protein between cytosol and membranes.
AU Ransnas L A; Svoboda P; Jasper J R; Insel P A
CS Department of Pharmacology, University of California, San Diego, La Jolla 92093.
NC GM40781 (NIGMS)
SO Proceedings of the National Academy of Sciences of the United States of America, (1989 Oct) 86 (20) 7900-3.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198912
ED Entered STN: 19900328

Last Updated on STN: 20000303
Entered Medline: 19891201

L5 ANSWER 9 OF 112 MEDLINE on STN
AN 87311928 MEDLINE
DN PubMed ID: 2442419
TI The effect of some urinary stone inhibitors on membrane interaction potentials of stone crystals.
AU Mandel N S; Mandel G S; Hasegawa A T
NC AM 30579 (NIADDK)
SO Journal of urology, (1987 Sep) 138 (3) 557-62.
Journal code: 0376374. ISSN: 0022-5347.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 198710
ED Entered STN: 19900305
Last Updated on STN: 19970203
Entered Medline: 19871005

L5 ANSWER 10 OF 112 MEDLINE on STN
AN 85112343 MEDLINE
DN PubMed ID: 2982126
TI Adenylate cyclase **activity** in fetal rabbit myocardium.
AU Hatjis C G
NC 5429-19-8
SO Pediatric research, (1985 Jan) 19 (1) 75-8.
Journal code: 0100714. ISSN: 0031-3998.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198503
ED Entered STN: 19900320
Last Updated on STN: 19980206
Entered Medline: 19850320

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Connection closed by remote host